VOLUME 10 1989

SUBJECT INDEX

A-18-Famide, 873
ACTH, 5, 835, 883, 1117, 1139, 1291
ACTH analogs, 303
ACTH(4-10), 883
ACTH/MSH(4-10), 1101
ANF, 891
ANF degradation, 891
ANF receptors, 575
AOAA, 1247
aPY, 1013
AV3V area, 423
AVP, 1291
Abdominal stretching, 31
Absorption, 245
Active avoidance response, 843
Activity, 205, 1253
Acute effect, 1247
Acute pancreatitis, 255
Adenylate cyclase, 395, 441, 721, 1027, 1075, 1171
Adrenal gland, 1105
Adrenal medulla, 355, 753
Adrenalectomy, 877, 883, 1081
Adrenocorticotropic hormone, 1101
Adrenocorticotropin, 1223
Adult rat spinal cord, 1049
Affinity cross-linking, 179
Aggression, 205, 1253
Aging, 205, 697, 705, 1253
Airway, 1007
Alcohol, 205, 1253
Alpha-melanocyte-stimulating hormone, 375
Alzheimer's disease, 121
Amiloride, 575
Amino acid sequence, 849, 859, 1195
Aminopeptidase, 609, 717
Amniotic fluid, 299
Amniotic fluid peptides, 299
Amygdala, 465
Analgesia, 435, 735, 767
Analogue fragments, 349
Analogue synthesis, 349
Angiotensin, 245
[des-Leu^{10}]-angiotensin I, 489
[Sar^{1},Thr^{8}]-angiotensin II, 261
Angiotensin II, 41, 261, 489
Angiotensin II receptors, 459
Angiotensin II-induced drinking, 125
Angiotensin III, 261
Angiotensin converting enzyme, 109, 431
Anterior pituitary, 179, 369, 815
Antibody-forming cell response, 473
Antidiuretic antagonists, 1109
Anti-idiotypic antibodies, 877
Antinociceptive testing, 69
Antipyretic, 697
Antral motility, 281
Aorta, 957
Aplysia brasiliana, 859
Aplysia californica, 849
Arcuate nucleus, 1159
Area postrema, 21
Arecoline, 809
Arginine carboxypeptidase, 109
Arginine vasopressin, 237, 985, 1109
Arthritis, 447
Atrial natriuretic factor, 63, 575, 891
Atriopeptin I, 63
Atriopeptin II, 63
Atriopeptin III, 63
Autonomic function, 465
Autonomic nervous system, 1105
Autoradiography, 179
Availability after SC injection, 1

B_2 bradykinin receptor, 701
BNST, 615
α Bag cell peptides, 289
Baroreceptors, 103
Basal ganglia, 687
Behavior, 361, 529, 1153
Beta-endorphin, 473, 565, 729, 1049
Beta-endorphin C-terminal fragments, 565
Beta-endorphin N-terminal fragments, 565
Binding sites, 313
Bioactivity, 1
α_1 and α_2 blockade, 171
Blood, 145, 489
Blood flow, 921
Blood glucose, 1171
Blood pressure, 245, 261, 647, 895, 1033, 1081
Blood pressure regulation, 551
Blood-brain barrier, 249
Body rotation, 493
Bombesin, 241, 275, 281, 529, 809
Bombesin receptor antagonists, 597
Bombesin structure-function study, 597
Bradykinin, 1063, 1121
Bradykinin antagonist, 109
[^{3}H]Bradykinin binding, 701
Brain, 15, 261, 757, 1159, 1239
Brain microdialysis, 779
Brain microinjection, 717
Brain peptides, 1013
Brain slices (hippocampus), 407
Brainstem, 1019
Brattleboro rat, 985
Brush-border membrane, 45

cAMP, 395
CCK, 265
CCK receptors, 265
CCK-8, 1247
CCK-A receptor, 779
CD, 1113
cGMP, 575
CGRP, 979, 1033
CHH, 1113
CLG, 767
CNS, 245
CR 1409, 31
CRF, 1139, 1291
CRH, 1165
Caerulein, 255, 843, 1247
Caerulein analog, 843
Calcitonin, 137, 327
Calcitonin gene-related peptide (CGRP), 201, 309, 327, 447, 663, 1007, 1033
Capillary wall, 945
Capsaicin, 647, 1033
Carbachol, 709
Carboxypeptidase B, 1063
Carboxypeptidase M, 1063
Carboxypeptidase N, 109
Cardiac index, 933
Cardiac output, 481
Cardiodilatin, 545
Cardiovascular, 73, 729
Cardiovascular effects, 933
Cardiovascular reflex, 647
Cardiovascular responses, 205, 1253
Cardiovascular system, 551
β-Casein, 45
Cat, 281, 967, 979
Catecholamine, 587, 753, 1019, 1139
Catecholamine supersensitivity, 551
Catecholamine-NPY interaction, 551
Cathepsin L assay, 391
Caudal neurosecretory system, 383
Cell-dehydration-induced drinking, 125
β-Cells, 453
Central, 275
Central nucleus of amygdala, 113
Cerebral circulation, 957
Cerebral cortex, 687
Ceruletide, 779
Chemotaxis, 565
Cholecystokinin (CCK), 31, 73, 241, 337, 687, 809, 1041
Cholecystokinin (CCK) antagonists, 779
Cholecystokinin brain-type (CCK-B) receptors, 407
Cholinergic, 121
Chromatography, 145, 309, 533
Chronotropic response, 343
Cilia, 1007
Cingulate gyrus, 1231
Cleaved ANF, 891
Cockroach, 1287
Coexistence, 163, 973
Colchicine, 447
Colonic bead expulsion time, 873
Combined retrograde transport/immunocytochemistry, 1019
Concanavalin A, 473
Conditional analgesia, 319
Copackaging, 571
Coronary artery, 993
Coronary vasodilation, 343
Corpus cardiacum, 1287
Cortex, 57
Corticotropin-releasing factor (CRF), 179, 395, 903, 1199
Corticotropin-releasing hormone, 189
Cortisol, 1291
Crustacean, 1113
C-terminal octapeptide, 1041
Cyclic AMP, 819, 1007, 1171, 1283
Cyclo(His-Pro), 299
Cyclo(Leu-Gly), 767
Cysteine proteinase inhibitors, 391
Cytosolic calcium, 1217

D_1-dopamine receptor, 681

D_2-dopamine receptor, 681
DAGO, 319
[^{3}H]DAGO, 499
DNS-RFa, 735
DOI, 189
DPDPE, 319
[^{3}H]DPDPE, 499
DSIP, 249
Deep muscular plexus, 1055
Degradation, 1
Delta opioid receptors, 319
Delta receptors, 499
Delta sleep-inducing peptide, 163
Denervation supersensitivity, 721
[^{14}C]deoxyglucose, 103
2-Deoxyglucose method, 423
Dependence, 205, 1253
Depression, 205, 1253
Dermorphin, 1199
Desensitization, 337, 441, 1027, 1041
Development, 1165, 1231
Diabetes insipidus, 985
Diabetes mellitus, 1171
Diaphragm, 53
Diclofenac, 447
3,4-Dihydroxyphenylacetic acid, 681
Dipeptidase, 1063
Dipeptidyl carboxyhydrolase, 63
Dipeptidylpeptidase IV, 45
Discrete brain, 1247
Dogfish, 375
Dogs, 41, 1055
Dopamine, 681, 903
Dopamine D_2 receptor, 35
Dopamine metabolism, 779
Dorsal raphe nucleus, 1019
Dorsal rhizotomy, 979
Dorsal root ganglion, 447, 1179
Drinking, 103, 205, 261, 423, 1253
Drinking inhibition, 125
Drug discrimination, 1101

EC 3.4.24.11, 891
EEG, 95
Eating, 205, 1253
Ectopic ACTH, 83
Electrophysiology of neuropeptides, 407
Emesis, 21
Endocrine cells, 163
Endogenous emetics, 21
Endogenous opiates, 9
Endogenous opioids, 319
Endopeptidase 3.4.24.11, 895
Endopeptidase-24.11, 891
β-Endorphin, 1117, 1223
Endothelial cells, 957, 1281
Endothelial-derived vasoactive substance, 939
Endothelin, 41, 805, 939, 1281
Endothelium, 957
Energy deficiency, 819
Enkephalin, 687, 1239
[D-Ala^2,Leu^5,Cys^6]enkephalin, 319
[Leu]enkephalin, 913
Enkephalin analogs, 391
Enkephalin release, 609
Enkephalinase, 609
Enkephalinase inhibitor, 967
Entopeduncular nucleus, 973
Enzyme inhibition, 895
Epilepsy, 205, 1253
Epithelium, 1007
Estrogen priming, 763
Estrogens, 369
Ethanol, 435
Ethanol lesions, 79
Evolution, 15
Exercise, 819

F-8-Famide, 873
FAB/MS, 747
FMRF-NH_2-like peptides, 741
FMRFa, 289, 735
FMRFamide, 403, 693, 825, 873
FMRFamide receptors, 657
Fast axonal transport, 883
Fast protein liquid chromatography, 797
Feeding, 963, 1283
Feeding behavior, 89
Feeding inhibition, 125
Fetal development, 459
Fever, 697, 869
Fish, 1223
Fish skin bioassay, 349
Fluorimetric enkephalin substrates, 391
Food intake, 275, 967
Forebrain, 1139
Formalin test, 319
Formosan monkey, 825
Free fatty acid release, 333
Free fatty acids, 481
β-Funaltrexamine, 493

GABA accumulation, 1247
GABA content, 1247
GHRF, 705
GHRH(1-29)NH_2 analogues, 1
GnRH agonist, 925
GnRH antagonist, 925
GRF-TH coexistence, 791
GRP, 815
GRP-(18-27), 355
Galanin, 313, 369, 453, 757
Gastric acid secretion, 797
Gastric emptying, 281
Gastrin, 163, 241
Gastrin release, 815
Gastrin releasing peptide (GRP), 281, 415, 533, 809
Gastrointestinal hormones, 797
Gel chromatography, 815
Gene expression, 705
Glicentin, 163
Glucagon, 481, 1195
Glucagon analog, 1171
Glucagon secretion, 709
Glucose, 709
Glucose metabolism, 481
Glycosylation, 137
Goldfish, 835
Gonadal steroids, 369
Gonadotropin-releasing hormone analogs, 485
Ground squirrel, 57
Growth hormone (GH), 15
Growth hormone-releasing factor (GRF), 15, 605
Growth hormone-releasing hormone, 791
Guanine nucleotides, 179, 395
Guinea pig, 249, 343, 815, 887
Guinea pig ileum, 693
Gut, 163

HPLC, 163, 327, 485, 523, 1013
Haloperidol catalepsy, 779
Heart rate, 647, 1033, 1081
Helodermin, 709, 1075
Hemodynamics, 41
Hemoglobin, 747
Hemorphins, 747
High performance liquid chromatography (HPLC), 15, 797
Histamine, 69
Histidine-rich basic peptide, 849, 859
Histidyl-proline diketopiperazine, 299
Holostean fish, 951
Homovanillic acid, 681
Hotplate, 319
Human adipose tissue, 333
Human glucagon, 333
Human lymphoblasts, 1027
Human pro-atrial natriuretic peptide (1-98), 545
Humans, 489
Hydrolysis, 913
Hypertension, 309, 539
Hypertrehalosaemic hormones, 1287
Hypophysectomy, 883
Hypothalamic releasing factor, 15
Hypothalamo-neurohypophysial system, 103
Hypothalamus, 145, 369, 375, 903, 1081, 1159, 1223
Hypothermia, 435, 869

ICV administration, 95
Ileum, 245
Ileum myenteric plexus, 1055
Immobility, 319
Immobilization, 741
Immune system, 205, 565, 1253
Immunocytochemistry, 375, 605, 945, 1139, 1205, 1223, 1239
Immunohistochemistry, 383, 815, 825, 973, 1281
Immunoreactivity, 435
In situ hybridization, 415, 615, 1179
In situ hybridization histochemistry, 791
In vitro, 333
In vivo, 709, 913, 1041
In vivo immune function, 473
In vivo metabolism, 717
In vivo release, 1127
Incubation, 903
Infantile spasms, 5
Inflammatory bowel disease, 627
Inositol trisphosphate, 1171
Inotropic response, 343
Insulin, 481, 1195
Insulin receptors, 1159
Insulin secretion, 453, 709
Insulin-secreting cells, 523
Intermediate pituitary, 179
Intestinal ion transport, 45
Intestine, 157
Intracerebroventricular, 275, 319
Intravenous, 275
Intravenous beta-endorphin, 729
Intravenous dynorphin A(1-13), 171
Intrinsic neuronal function, 1205
Ion transport, 1007
Isolated hypothalamic neurons, 1205

Jejunum, 245

K^+ channels, 453
Kappa receptors, 499

Kassinin, 125
Ketanserin, 189
Kidney, 985
Kininase I, 109
Kininase II, 109

L-364, 718, 809
LH-RH, 131
LS and SS mice, 435
Lack of cell content, 1205
Lactate, 753
Lateral cerebral ventricle, 869
Learning, 121, 205, 361, 1117, 1253
Learning and memory, 303
Leptinotarsa decemlineata, 1287
Leu-enkephalin, 951
Limbic system, 465
Lissauer's tract, 979
Locomotor activity, 403, 435
Long-lasting effect, 1247
Long-term effect, 925
Low affinity receptors, 337
Luteinizing hormone releasing hormone, 1205
Lymnaea stagnalis, 289
Lymphatics, 533
Lymphoblasts, 441

m-CPP, 189
MIF, 767
MIF-1, 35, 493
MIH, 1113
MK-771, 121
mRNA, 687, 957, 1165, 1179
mRNA encoding, 415
MSH, 361, 835, 883
α-MSH, 697, 1075
βMSH, 83
Maturation, 83
Mazindol binding sites, 681
Meadow vole, 493
Mean arterial pressure, 663
Mechanism of vomiting, 21
Medial basal hypothalamus, 131
Median eminence, 605
Medullary thyroid carcinoma, 137
Melanin concentrating hormone (MCH), 349, 375, 773
Melanocyte stimulating hormone-like activity, 773
Melanocyte stimulating hormone, 1101
Melanotropins, 361, 1223
Memory, 205, 237, 361, 809, 843, 963, 1117, 1253
Mental illness, 205, 1253
Mesenteric artery, 993
Metabolism, 261
Metalloendopeptidase 24.15, 1063
Met-enkephalin, 587, 951
Metergoline, 189
Methionine-enkephalin, 1239
16-Methyl cyprenorphine, 319
Mice, 809, 873, 963
Microinjections, 1081
Microsequence analysis, 797
Microtubule-associated proteins, 1089
Mitochondria, 1003
Molecular heterogeneity, 797
Molluscan neuropeptide, 403, 849, 859
Molluscan peptides, 657
Monkeys, 729
Monocytes, 565, 819
Morphine, 729, 741, 767
Morphine-modulating peptide(s), 873
Motility, 797
Mouse, 709, 1247
Mouse melanoma cells B16, 1075
Mu and delta receptors, 747
Mu opioid, 493
Mu opioid receptors, 319
Mu receptors, 499
Mucociliary clearance, 1007
Muscular tenderness, 1147
Myenteric neurones, 571
Myenteric plexus, 313

NK-2 selective agonist, 593
NKA, 79
NKB, 79
NPY, 963, 1013
NPY-induced potentiation, 551
NPY-like peptides, 1013
Naloxone, 493, 729
Naloxone blockade, 171
Naltrexone methobromide, 319
Nasal turbinate, 701
Nerve growth factor, 1121
Neural lobe, 423
Neurogenic inflammation, 1147
Neuroimmunology, 395
Neurokinin A, 671, 713, 921, 1147, 1179
Neurokinin A analogues, 593
Neurokinin B (NKB), 69, 671, 713
Neuromedin C, 355
Neuromedin K, 25
Neuron distribution, 415
Neuronal differentiation, 1121
Neuronal effects of cholecystokinin, 407
Neuropeptidases, 1055
Neuropeptide Y (NPY), 69, 241, 587, 797, 869, 1283
Neuropeptide hormones, 1113
Neuropeptide tyrosine-NPY, 551
Neuropeptides, 265, 289, 375, 383, 465, 621, 687, 693, 717, 735, 921, 957, 963, 1105, 1287
Neurophysiology, 289
Neurosecretory cells, 289
Neurotensin, 95, 113, 241, 435, 465, 567, 587, 647, 1033, 1055, 1217
Neurotensin analogs, 95
New World marsupial, 1195
Nociception, 741, 1019
Noradrenaline, 903
Normal cardiac failure plasma, 545
Noxious stimuli, 609
Nucleus raphe magnus, 1019
Nucleus tractus solitarius (NTS), 73, 895

8-OH-DPAT, 189
ORG 2766, 883
OVLT, 423
Obesity, 1159
Olfaction, 303
Ontogeny, 35, 125, 529
Operant responding, 729
Opiate antagonist, 403
Opiates, 45, 205, 1253
Opiocortins, 1019, 1139
Opioid analgesia, 741
Opioid antagonism, 735
Opioid antagonists, 741, 967
Opioid peptides, 687, 1239
Opioid receptors, 565
Opioids, 499, 539, 1291
Opossum, 1195
Osmoregulation, 383
Ovariectomized estrogen-progesterone-blocked rats, 1133
Ovariectomy, 763
Oxidative phosphorylation, 1003
Oxygen radicals, 819
Oxytocin, 89, 559
Oxytocin antagonists, 559
Oxytocin-vasopressin analogs, 559

PC-12 cells, 1121
PHI, 571, 993
PLG, 35
POMC, 835
Pain, 539, 979, 1147
Pancreatic acinar cells, 597
Pancreatic acini, 785
Pancreatic beta cell, 757
Pancreatic enzyme secretion, 337
Pancreatic juice, 255
Pancreatic polypeptide, 869, 1195
Pancreatic polypeptide hormone family, 581
Pancreatic secretion, 797, 1041
Papain, 391
Parabrachial complex, 465
Paracrine, 1105
Parasympathetic, 721
Paraventricular nucleus, 791
Parotid, 721
Partition coefficient, 1003
Passive avoidance response, 843
Pavlovian conditioning, 319
Penile erection, 559
Peptidases, 45
Peptide I, 849
Peptide YY, 21, 163, 587
Peptide YY (PYY), 797
Peptide absorption, 45
Peptide analogs, 1041
Peptide family, 1113
Peptide fragments, 747
Peptide metabolism, 747
Peptide processing, 895
Peptide purification, 15
Peptide synthesis, 747
Peptides, 157, 205, 303, 361, 499, 933, 1003, 1165, 1253
Peptidyl dipeptidase, 1063
Perfused brain, 249
Peripheral, 275
Pertussis toxin, 1283
Pharmacology, 735
Pheochromocytoma, 201, 327, 713
Phospholipase C, 1171
Phosphoramidon, 895
Phosphorylation, 1089
Phrenic primary afferent neurons, 53
Pituitary LH, 925
Pituitary gland, 145, 375, 763, 835
Plasma FSH, 1133
Plasma LH, 1133
Plasma prolactin, 1133
Plasma uptake, 913
Posterior pituitary, 951
Posttraining effects, 1117
Posttranslational processing intermediate, 581
Potato beetle, 1287
Precursor peptide, 859
Preoptic area, 1081

Preprotachykinin, 713, 957
Pressor response, 171
Pretest effects, 1117
Primary afferents, 1033
Processing enzymes, 63
Proenkephalin, 1239
Proglumide, 31
Prolactin, 485
Pro-Leu-Gly-NH_2, 767
Prolyl carboxypeptidase, 1063
Prolyl-leucyl-glycinamide, 35
Proopiomelanocortin, 83, 1223
Prostaglandin E_1, 1075
Prostaglandin E_2, 869
Prostaglandin receptors, 1027
Protein malnutrition, 1117
Pro-TRH-intervening sequences, 523
Pulmonary artery, 241
Pulmonary resistance, 481
Pulsed-liquid phase sequencing, 1287

Quantitative autoradiography, 265, 499, 1159
Quantitative immunocytochemistry, 705

R3-R14 neurons, 849, 859
RIA, 163
Radioimmunoassay, 25, 145, 201, 459, 489, 533, 797, 805, 1013, 1223
Radioimmunoassay (RIA), 15, 309
Radioiodination, 993
Radiolabeled peptides, 485
Rapid release, 131
Rat, 95, 113, 131, 255, 489, 529, 767, 779, 805, 903, 913, 973, 1101, 1153, 1239
Rat brain, 1063
Rat glomeruli, 575
Rat hypothalamus, 189
Recall, 809, 963
Receptor affinity, 785
Receptor binding, 1171
Receptor location, 671
Receptor multiplicity, 57
Receptors, 57, 157, 179, 435, 627, 757, 877
Reflex contractions, 747
Regeneration, 883
Regional cerebral/peripheral blood flow, 933
Regional distribution, 805
Renal sodium excretion, 663
Renin, 245
Renovascular hypertension, 663
Resensitization, 1027
Respiration, 205, 1253
Respiratory, 73
Retention, 809, 963
Retinal glia, 1089
Retinal pigment epithelium, 1089
Reversal learning, 237
Rin m 5F cell line, 757
Ritanserin, 189

SHR, 539
SMS 201 995, 57
SP, 79
SP(1-7), 895
Sauvagine (SV), 383
Schedule-controlled behavior, 1199
Sciatic nerve, 883
Secretin, 163, 255
Secretion, 355, 1089
Sensory neuropeptides, 627
Septal lesion, 121
Sequence, 355
Serotonin ($5HT_{1A}$ and $5HT_2$) receptors, 189
Serotonin receptors, 5
Serotonin syndrome, 5
Serum progesterone, 925
Sex, 205, 1253
Sex differences, 615
Sex dimorphism, 369
Sexual differentiation, 369
Sheep, 1291
Sinus gland, 1113
Sleep deprivation, 819
Sleep-wakefulness cycles, 95
Sleeve-manometry, 671
Slot hybridization, 705
Small cell lung cancer, 1217
Small diameter primary afferent, 979
Small intestine, 313
Solid phase synthesis, 581
Somatostatin, 57, 241, 245, 945, 973, 1179
Somatostatin-14, 1153
Somatostatin-14 fragments, 1153
Species difference, 343
Species-specific receptor distribution, 265
Spectral analysis, 95
Spinal cord, 25, 447, 609, 979, 1127
Spinal injury, 979
Spiroperidol, 35
Splanchnic blood flow, 481
Spleen, 395
Spleen cell proliferation, 473
Spontaneously hypertensive rat (SHR), 309
Squirrel monkeys, 1199
Stomach, 157
Strain differences, 237
Streptozotocin, 523
Stress, 205, 395, 1253
Stress-induced analgesia, 9, 493, 741
Striatum, 35, 681, 779
Structure activity, 289
Structure-activity relationships, 757, 1147
Structure-function aspects, 773
Submucous plexus, 1055
Substance K, 25
Substance K (NKA), 69
Substance P, 25, 53, 69, 131, 241, 465, 533, 627, 671, 713, 763, 895, 957, 973, 1003, 1033, 1127, 1147, 1179
Substantia nigra, 131
Substrate inhibition, 431
Sulfation, 785
Superfusion, 903
Sympathetic neurons, 647
Synaptosomal fractions, 1055
Synaptosomes, 131
Synbranchus marmoratus, 349
Synenkephalin, 1239
Synthetic peptide derivatives, 407

TRH, 121, 245, 835, 933
Tachykinin analogues, 671
Tachykinins, 25, 79, 125, 593, 921, 957, 1147
Tail-flick test, 767
Teleosts, 15, 383, 835
Temperature, 205, 1253
Temporal muscle, 921
Terrestrial slug, 9
Thalamus, 687
Three-dimensional cell culture, 1205
Thyroid, 145
Thyrotropin-releasing hormone, 145, 523, 681
Thyrotropin secretion, 763
Tolerance, 205, 697, 767, 1253
True blue, 605
α-Tubulin, 1179
Tuftsin, 1199
Turkey, 275
Tyr-Gly-Gly, 609
Tyr-MIF-1, 493
Tyrosine hydroxylase, 791, 1205

U50488H, 319
Ultrastructure, 113
Unidirectional transfer constant, 249
Urotensin I (UI), 383
Uterine artery, 887

V_2 antagonists, 1109
VIP and helodermin receptors, 441
VIP binding, 1105
VIP/helodermin receptors, 1027
VIP, in brain, 621
VIP processing and degradation, 621
VIP receptor, 993
VIP(22-28), in brain, 621
Vascular resistance, 933
Vasoactive intestinal peptide (VIP), 241, 313, 343, 571, 627, 721, 819, 887, 1075, 1089, 1105
Vasoactive intestinal polypeptide (VIP), 333
Vasoconstrictor action, 171
Vasoconstrictor activity, 581
Vasodilatation, 887
Vasodilator polypeptide, 939
Vasopressin, 103, 423, 615, 717, 877, 1205
Vasopressin antagonists, 1109
Vasopressin fragments, 717
Vasopressin receptors, 985, 1231
Vasorelaxation, 993
$d(CH_2)_5Tyr(Me)$-[Orn^8]vasotocin, 89
Visceral afferents, 647

Water deprivation-induced drinking, 125
Water intake, 275
Women, 753

Yawning, 559

Zucker rat, 1159

AUTHOR INDEX

Abello, J., 1027
Ackland, J. F., 15
Affholter, J. A., 361
Agnati, L. F., 705
Agoston, D. V., 571
Aguilar, M. B., 1113
Aguilera, G., 459
Ahmad, S., 1055
Ahrén, B., 453, 709
Aimone, L. D., 1127
Aitman, T. J, 1
Akiyoshi, T., 779
Allen, J. M., 533
Allescher, H.-D., 671
Al-Obeidi, F., 361
Ambrose, F. G., 31
Andersen, A. C., 375
Andrews, P. C., 581, 1013
Angelogianni, P., 1049
Argiolas, A., 559
Arisawa, M., 763, 1133
Arletti, R., 89
Autry, W. L., 31

Baba, S., 869
Bado, A., 967
Bagdy, G., 189
Balasubramaniam, A., 581, 1013, 1283
Barbaz, B. S., 31
Barelli, H., 1055
Barrett, J. E., 1199
Baskin, D. G., 1159
Battaglia, G., 395
Battey, J. F., 415
Baudry, M., 303
Beckwith, B. E., 237, 361
Begley, D. J., 249
Benelli, A., 89
Bennett, H. P. J., 485, 835
Berg, M. J., 391
Berggren, P.-O., 453
Berlove, D. J., 877
Bernard, C., 1041
Bernardini, R., 189
Bernoussi, A., 647
Bertagna, X., 83
Bertolini, A., 89
Bhargava, H. N., 767
Birnbaum, R. S., 137
Bjartell, A., 163
Blanchard, J.-C., 95, 407
Blankenship, J. E., 849
Block, C. H., 465
Bloom, J. W., 701
Bloom, S. R., 545
Boehmer, C. G., 627, 1179
Böhme, G. A., 407
Bokvist, K., 453
Bowen, W. D., 319
Bøyum, A., 819
Brady, L., 189
Brands, M. W., 663
Breckinridge, S. M., 985
Brennan, S. O., 891
Brooks, A. N., 1291
Brosnihan, K. B., 1081
Brown, D. R., 245
Browne, R. G., 31
Bruhn, T. O., 15
Brussaard, A. B., 289, 735
Buchanan, K. D., 533
Bulant, M., 523
Bullen, B. A., 753
Burbach, J. P. H., 717
Burch, R. M., 109
Burnstock, G., 945

Cairo, J., 939
Calcagnetti, D. J., 319
Calogero, A. E., 189
Calvo, J. J., 255
Carino, M. A., 121
Carrière, P. D., 485
Castel, M.-N., 95
Castrucci, A. M. L., 349
Catton, M., 1179
Catton, M. D., 627
Cecyre, D., 355
Challis, J. R. G., 1291
Chance, W. T., 1283
Chang, J.-K., 309
Charbonneau, H., 137
Charpentier, B., 407
Chayvialle, J.-A., 281
Checler, F., 1055
Chen, S.-T., 825
Cherniack, N. S., 1003
Chikh-Issa, A. R., 281
Chouinard, L., 355
Chretien, M., 83
Christophe, J., 441, 1027, 1075
Chrousos, G. P., 189
Clayton, R. N., 1
Clifton, D. K., 615
Clot, A. M., 609
Coates, P. W., 1205
Cocchi, D., 705
Cohen, G., 939
Cohen, S., 423
Cole, F. E., 575
Collinet, M., 281
Conlon, J. M., 327, 713
Connor, J. R., 109
Conte-Devolx, B., 903
Cordova, J. L., 25
Cornett, L. E., 985
Corp, E. S., 1159
Costa, G., 125
Coussaert, E., 1027
Cox, B. M., 621
Coy, D., 1
Coy, D. H., 597
Creel, M., 103
Crescitelli, L. A., 883
Crim, J. W., 951
Csernus, V., 925
Cuello, A. C., 69
Cunningham, L. A., 1105
Cuthbert, B. N., 729
Członkowski, A., 539

Dalton, L. M., 9
Damien, C., 1027, 1075
Danho, W., 391
Daniel, E. E., 671, 1055
Davis, M., 797
Davis, T. P., 747, 1217
Davson, H., 249
De Caro, G., 125
De Dios, I., 255
Deeter, L. B., 697
De Gennaro Colonna, V., 705
DeHaas, C. J., 109
De Lauro Castrucci, A. M., 773
Delbende, C., 375, 1223
Denbow, D. M., 275
De Neef, P., 441, 1027, 1075
Derdowska, I., 1109
Desjeux, J. F., 45
De Souza, E. B., 179, 395
Dessureault, J., 355
D'Este, L., 383
Dewey, A. L., 261
De Wied, D., 717
Diz, D. I., 1081
Donato, A., 383
Dores, R. M., 951
Dorsa, D. M., 615, 1159, 1231
Drapeau, G., 671
Drummer, O. H., 489
Dubrasquet, M., 967
Duchemin, A. M., 687
Dudley, C. A., 1205
Dumont, M., 355
Dumontier, A. M., 45
Durieux, C., 407
Dutour, A., 523

Eberle, A. N., 375
Eberlein, G. A., 797
Edvinsson, L., 921, 1147
Eigyo, M., 779
Eisenberg, H. M., 103, 423
Ekman, R., 163
Elliott, P. J., 69
Emanuel, R. L., 1165
Emori, T., 805
Eng, B., 5
Eng, J., 1195
Epstein, A. N., 125
Eriksson, L. S., 481
Erwin, V. G., 435
Espiner, E. A., 891
Evangelista, S., 79
Evans, W. J., 753
Eysselein, V. E., 797

Fahrenkrug, J., 571
Fanselow, M. S., 319
Fehér, E., 945
Figlewicz, D. P., 1159
Fine, L. G., 1179
Fischer, J. E., 1283
Fiscus, R. R., 309
Fiskum, G., 1217
Flerkó, B., 925
Flood, J. F., 809, 963
Foley-Nelson, T., 1283
Fox, J. E. T., 671, 1055
Foy, W. L., 533
Franco, R., 1109
Freeman, R. H., 663
Fritz, R. R., 849
Frohlich, E. D., 575
Fryer, J. N., 835
Fujii, N., 447
Fujiwara, Y., 701
Fukuda, Y., 805

Gabriel, S. M., 369
Gäde, G., 1287
Gallucci, W. T., 189
Gardner, J. D., 337, 597, 785
Gary, H. E., Jr., 103, 423
Gaumann, D. M., 587
Gavras, H., 1109
Gessa, G. L., 559
Ghatei, M. A., 545
Giachetti, A., 593
Gianoulakis, C., 1049
Gibbs, J. S. R., 545
Giles, T. D., 41, 939
Gillespie, M. A., 245
Gillespie, T. J., 747
Girard, D. M., 1165
Girard, F., 83
Giraud, P., 523
Giuliani, S., 593
Given, M. B., 41
Gkonos, P. J., 137
Goebell, H., 797
Gold, P. W., 189
Goldsmith, J. P., 533
Görcs, T., 945
Gozzini, L., 621
Grandt, D., 797
Greenberg, M. J., 657
Greenwood, M. R. C., 1159
Gregor, L., 171
Grigoriadis, D. E., 179
Grimelius, L., 327
Gröndal, S., 327
Gros, C., 609
Gurzenda, E. M., 1171

Hadley, M. E., 349, 773
Hagenfeldt, L., 481
Hall, E., 1121
Hall, M. E., 895
Han, D., 303
Hardee, E., 575
Harding, J. W., 261
Harding, R. K., 21
Harlan, R. E., 1239
Harris, R. B., 63
Hasumi, M., 1281
Hatanaka, H., 869
Haugen, A.-H., 819
Hedenbro, J., 163
Heinz-Erian, P., 597
Helmstetter, F. J., 319
Hernandez, L. L., 1101
Hernández-Arana, A., 1113
Hershman, J. M., 145
Hilton, C. W., 299
Hirata, Y., 805, 1281
Hiroe, M., 1281
Hoffman, G., 465
Holaday, J. W., 729
Holtman, J. R., Jr., 53
Holzwarth, M. A., 1105
Hooghe, R., 1075
Hoover, D. B., 343
Horie, T., 1281
Horita, A., 121
Hornby, P. J., 1139

Horváth, S., 791
Howard, G. A., 137
Howes, K. A., 73
Hruby, V. J., 349, 361, 773
Huang, M., 993
Huang, S. C., 597, 785
Huberman, A., 1113
Hughes, J., 499
Huidobro-Toro, J. P., 551
Husband, A. J., 473
Hyman, A. L., 41

Iadarola, M. J., 687, 979
Ibii, N., 779
Igano, K., 843
Ikeda, M., 779
Ikegami, H., 681
Imai, Y., 201
Inagaki, S., 973
Inouee, T., 869
Inouye, K., 843
Inui, A., 869
Itoh, H., 993
Itoh, S., 843
Itoi, K., 201
Iwai, S., 241
Iwata, T., 575
Izquierdo, I., 1117

Jackson, H. C., 529
Jackson, I. M. D., 15
Jacoby, H. I., 693, 873
Jankov, R. M., 249
Jansen, I., 921, 1147
Jensen, K., 921, 1147
Jensen, L. L., 261
Jensen, R. T., 337, 597, 785
Jew, J. Y., 113
Jiang, N. Y., 597
Joanny, P., 903
Johnson, H., 489
Johnston, C. F., 533
Jones, B. C., 435
Jones, C., 459
Joseph, S. A., 1019

Kadekaro, M., 103, 423
Kage, R., 713
Kanemura, T., 1007
Kaplan, L. M., 369
Kapp, B. S., 465
Kastin, A. J., 205, 1253
Kavaliers, M., 493, 741
Kawanishi, K., 605
Kawano, Y., 805
Keim, K. L., 803
Kellner, R., 1287
Kérouac, R., 647
King, M. G., 473
King, S. C., 313
Kitchen, I., 529
Kito, S., 973
Kits, K. S., 289, 735
Kjeldsen, M., 921
Knock, S. L., 849, 859
Kobayashi, K., 1007
Koenig, J. I., 369
Koh, S.-W. M., 1089
Koike, T. I., 985
Kordon, C., 57
Koskinen, L.-O. D., 933
Kostka, P., 1055
Kostolanska, F., 671
Kostrzewa, R. M., 35
Kourtis, S., 489
Kovács, M., 925
Kozlowski, M. R., 1121
Krantic, S., 57
Krause, J. E., 69
Kubota, Y., 973
Kumar, G. K., 1003
Kuraishi, Y., 447
Kuramochi, M., 805
Kurosky, A., 849, 859
Kusnecov, A. W., 473
Kusunoki, M., 241

Laburthe, M., 757
Lafforgue, J., 95
Lagny-Pourmir, I., 757
Lai, H., 121
Lammek, B., 1109
Larsen, P. J., 815
Lawson, P. T., 137
Layer, P., 797
Lebacq-Verheyden, A.-M., 415
Le Bars, D., 609
Lebl, M., 773
Lederis, K., 993
Lee, T. D., 797
Leeman, S. E., 753
Lekan, H. A., 103, 423
Lemaire, S., 355
Lemieux, M., 647, 1033
Lenne, F., 83
Levitzky, M. G., 939
Lewin, M. J. M., 967
Li, C. H., 729
Liebman, J. M., 31
Lin, C.-Y., 859
Linnik, M. D., 957
Lipa, S. M., 493
Lipovac, M. N., 249
Lippe, I. Th., 79
Lippton, H. L., 41, 939
Lipton, J. M., 697
Llorens-Cortes, C., 609
Longden, A., 1121
López, L. F., 551
Lopez, M. A., 255
Lorinet, A. M., 757
Løvhaug, D., 819
Lowe, P. F., 41, 939
Lucas, M., 95
Luton, J.-P., 83
Lynch, S. S., 1

McAdoo, D. J., 859
McCann, S. M., 763, 1133
McDonald, J. K., 1013
McDonald, L. K., 951
McDonald, T. J., 21
McGregor, G. P., 327
McHugh, P. R., 157
McKillop, J. M., 533
McMillian, M. K., 721

Maggi, A., 705
Maggi, C. A., 79, 593
Maggio, J. E., 25, 627
Mahe, S., 45
Majzoub, J. A., 1165
Maley, B. E., 73
Manso, M. A., 255
Mantey, S., 597, 785
Mantione, C. R., 701
Mantyh, P. W., 627, 1179
Margioris, A. N., 189
Margolis, R. L., 157
Marks, N., 391
Marrama, P., 705
Martin, J. B., 369
Martin, L. W., 697
Martinez, J., 337, 1041
Martinez, J. L., Jr., 913
Marumo, F., 805, 1281
Massi, M., 125
Massias, J.-F., 83
Matsunaga, T. O., 349, 773
Matsushita, A., 779
Meleagros, L., 545
Meli, A., 79, 593
Melis, M. R., 559
Mendre, C., 1041
Menozzi, D., 337
Mercier, P., 355
Merrifield, R. B., 1171
Meyerhoff, J., 729
Mezey, É., 791
Mező, I., 925
Mikawa, K., 241
Mikkelsen, J. D., 571, 815
Miley, F., 895
Milgram, S. L., 1013
Millan, M. A., 459
Millar, R. P., 1133
Miller, M. A., 615
Millet, Y., 903
Minniti, F., 383
Mitrovic, D. M., 249
Mizuno, N., 869
Moody, T. W., 1217
Moran, T. H., 157
Mori, M., 241
Morioka, H., 869
Morley, J. E., 809, 963
Morris, J. L., 887
Moskowitz, M. A., 957
Moss, R. L., 1205
Mouri, T., 201
Mulder, A. H., 735
Mullally, D. F., 1081
Müller, E. E., 705
Munson, P. J., 189
Murakami, O., 201
Murakami, S., 973
Murphy, R., 887
Murumo, F., 805
Mutt, V., 481
Myers, K. M., 1231

Nader, M. A., 1199
Naftolin, F., 459
Nagahama, H., 1247
Nagain, C., 1041
Nagata, M., 1281
Nagle, G. T., 849, 859
Nanayama, T., 447
Naranjo, J. R., 687
Nercier, P., 355
Newton, B. W., 73
Nicholls, M. G., 891
Nicolas, P., 523
Niebel, W., 797
Niehoff, D. L., 265
Nielsen, L. B., 1147
Niimi, M., 605
Noe, B. D., 1013
Norman, J., 1179

Obara, H., 241
Ogawa, N., 973
O'Hare, M. M. T., 815
Ohneda, M., 201
Ohno, H., 447
Ohta, Y., 1281
Oimomi, M., 869
Okita, M., 869
Olesen, J., 921, 1147
Oliver, C., 523, 903
Olson, G. A., 205, 1253
Olson, R. D., 205, 1253
Oltmanns, D., 237
Omae, T., 805
Opstad, P. K., 819
Orawski, A. T., 1063
Ossenkopp, K.-P., 493
Otaka, A., 447
Ottonello, I., 375, 1223
Oya, M., 869

Painter, S. D., 849
Palkovits, M., 791
Panerai, A. E., 565
Passaro, E. P., Jr., 627
Patacchini, R., 593
Pavo, I., 1153
Payza, K., 657
Peachey, S. E., 753
Pedersen-Bjergaard, U., 1147
Pehrson, J., 753
Pekary, A. E., 145
Pellett, A., 939
Penke, B., 1153
Pérez, A., 551
Perfumi, M., 125
Perry, M. L. S., 1117
Pestellini, V., 593
Petrovic, V. M., 57
Piekut, D. T., 877, 1139
Porreca, F., 747
Prabhakar, N. R., 1003
Pranzatelli, M. R., 5
Prasad, C., 299, 681
Price, D. A., 657

Quach, T. T., 687
Quirion, R., 57
Quirk, W. S., 261

Raffa, R. B., 403, 693, 873
Rafferty, B., 1
Ramarao, P., 767
Rattan, S., 1195
Reeve, J. R., Jr., 797
Regoli, D., 671
Renda, T., 383
Renugopalakrishnan, V., 581
Richards, M., 891
Richter, W. O., 333
Riddle, E. E., 1101
Rigel, D. F., 581
Rioux, F., 647, 1033
Robberecht, P., 441, 1027, 1075
Robl, H., 333
Rodriguez, M., 1041

Rogers, D., 299
Rojo-Domínguez, A., 1113
Roman, F., 303
Romualdi, P., 621
Roos, B. A., 137
Roques, B. P., 407
Rorsman, P., 453
Rorstad, O., 993
Rosenberger, J. G., 621
Rosser, M. P., 1121
Rossier, J., 1239
Rovero, P., 79, 593
Roy, G., 647, 1033
Rozé, C., 967, 1041
Ruda, M. A., 979
Runold, M., 1003

Sacerdote, P., 565
Saeed, Z. A., 597
Sakai, N., 1007
Sakatani, N., 869
Saleh, M. I., 35
Sander, G. E., 41, 939
San Roman, J. I., 255
Santicioli, P., 593
Sasano, N., 201
Sato, M., 605
Satoh, M., 447
Saunders, W. S., 171
Sawyer, T. K., 361
Scarpa, A., 1003
Scarpignato, C., 281
Schaeffer, M., 797
Schoffelmeer, A. N. M., 735
Schullek, J. R., 431
Schulteis, G., 913
Schwandt, P., 333
Schwartz, J. C., 609
Seidah, N., 83
Sekiguchi, M., 1281
Selmanoff, M., 131
Seprödi, J., 925
Sharif, N. A., 499
Shen, C. L., 825
Sheriff, S., 1283
Shimada, S., 973
Shively, J. E., 797
Shu, C., 131
Sim, L. J., 1019
Simard, M., 145
Simmons, W. H., 1063
Sjölund, K., 163
Skrinar, G. S., 753
Slater, P., 313
Smith, R., 473
Smith, V. P., 145
Snyder, G. D., 763
Soler, D. F., 63
Sone, M., 201
Song, D. D., 1239
Spahn, S. A., 681
St-Pierre, S., 551
Staley, J., 1217
Stancampiano, R., 559
Stark, H., 717
Stark, H. A., 337
Steinberg, J., 903
Steranka, L. R., 109
Stewart, J. M., 895
Stoddard, S. L., 587
Strand, F. L., 883
Stutzmann, J.-M., 95, 407
Summer, W. R., 939
Sundler, F., 163
Susic, V. T., 249
Swank, M., 1231
Szot, P., 1231

Takagi, H., 973
Takahara, J., 605
Takahara, Y., 779
Takahashi, K., 201
Takashima, A., 843
Takizawa, T., 1007
Talamo, B. R., 721
Tamaoki, J., 1007
Tamarkin, L., 189
Tang, J., 309
Tastenoy, M., 441
Tay, S. S. W., 113
Teplán, I., 925
Ter Maat, A., 289, 735
Terrell, M. L., 103, 423
Thornhill, J. A., 171
Thull, D. L., 1165
Tinius, T. P., 237, 361
Togo, J., 109
Tomai, T. P., 189
Tome, D., 45
Tonon, M. C., 835
Too, H.-P., 25
Tougas, G., 671
Toyozaki, T., 1281
Tran, T. N., 835
Tranchand Bunel, D., 1223
Traub, R. J., 979
Trifaró, J.-M., 355
Tsai, M. S., 825
Turnberg, L. A., 313
Tuxen, C., 921
Tyce, G. M., 587

Unson, C. G., 1171

Vagne, M., 281
Vallarino, M., 375, 1223
Van Der Kleij, A. A. M., 717
Vangsted, A., 815
Vaudry, H., 375, 523, 835, 1223
Vécsei, L., 1153
Verburg, K. M., 663
Vician, L., 615
Vigna, S. R., 627
Villarreal, D., 663
Vincent, J.-P., 1055

Waelbroeck, M., 441
Wahren, J., 481
Wang, J.-P., 309
Wang, X., 309
Wang, Y. X., 1109
Wank, S. A., 785
Waters, J., 489
Webster, E. L., 395
Weinberger, S. B., 913
Welton, M. L., 627
Whittaker, V. P., 571
Widdowson, P. S., 9
Widerlöv, E., 1153
Widy-Tyszkiewicz, E., 539
Wiik, P., 819
Wilber, J. F., 299
Wilcox, B. J., 1159
Williams, T. H., 113
Wilson, I. B., 431
Wolf, G. C., 299
Woods, S. C., 1159
Wright, J. W., 261
Wu, P., 15

Xu, D., 309

Yajima, H., 447
Yaksh, T. L., 587, 1127
Yalow, R. S., 1195
Yamamura, H. I., 701
Yanaihara, N., 757
Yandle, T. G., 891
Yang, H.-Y. T., 741
Yoshimi, H., 805
Yoshinaga, K., 201
Yu, D.-H., 785
Yu, J.-H., 1195
Yu, W. H., 1133
Yuan, Q.-X., 309

Zabawska, J., 121
Zamora, A. J., 903
Zlokovic, B. V., 249
Zoeller, R. T., 415
Zoli, M., 705
Zsigo, J., 1153